

DECLARATION

COPY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DOUBLE AND TRIPLE READOUT ASSAY SYSTEMS

the specification of which (I authorize Choate, Hall & Stewart to check one of the following three choices, and fill in the blanks, if applicable):

_____ is attached hereto

X was filed on October 25, 2001 as Application Serial No. 09/999,504 and amended on _____ (if applicable).

_____ was filed as PCT international application No. _____, on _____ and was amended under PCT Article 19 on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledged the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed

(Number)	(Country)	(Day/Month/Year/Filed)	Yes	No
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(Number)	(Country)	(Day/Month/Year/Filed)	Yes	No
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I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

_____ (Application Serial No.)	_____ (filing date)	_____ (status-patented, pending, abandoned)
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_____ (Application Serial No.)	_____ (filing date)	_____ (status-patented, pending, abandoned)
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PCT Applications designating the United States:

_____ (PCT Appl. No.)	_____ (U.S.S.N.)	_____ (status-patented, pending, abandoned)
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I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national filing date of this application.

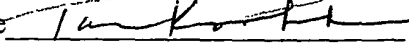
Provisional Application(s):

<u>60/243,689</u> (Application Serial No.)	<u>October 27, 2000</u> (filing date)	<u>pending</u> (status)
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_____ (Application Serial No.)	_____ (filing date)	_____ (status)
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United State Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of first inventor Tae Kook Kim

Inventor's signature  Date: 2/5/02

Residence 11 Beecher Terrace, Newton, MA 02459

Citizenship Korea

Post Office Address Same as above

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BHJ/CHB

MAY 07, 2002

CHOATE, HALL & STEWART
BRENDA HERSCHBACH JARRELL, PH.D.
EXCHANGE PLACE, 53 STATE STREET
BOSTON, M.A. 02109

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Commissioner for Trademarks
Arlington, VA 22202-3513
www.uspto.gov



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/05/2002

REEL/FRAME: 012659/0247
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KIM, TAE KOOK

DOC DATE: 02/05/2002

ASSIGNEE:

PRESIDENT AND FELLOWS OF HARVARD
COLLEGE
17 QUINCY STREET
CAMBRIDGE, MASSACHUSETTS 02138

SERIAL NUMBER: 09999504
PATENT NUMBER:

FILING DATE: 10/25/2001
ISSUE DATE:

SEDLEY PYNE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

03-14-2002



To the Honorable Commissioner of Patents and Trademarks

102011407

Documents or copy thereof.

1. Name of conveying party(ies):

Tae Kook KIM

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: President and Fellows of Harvard College

Street Address: 17 Quincy Street

City: Cambridge State: MA ZIP: 02138

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: February 5, 2002

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/999,504, filed October 25, 2001

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Brenda Herschbach Jarrell, Ph.D.

Internal Address: Choate, Hall & Stewart

Street Address: Exchange Place, 53 State Street

City: Boston State: MA ZIP: 02109

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number: 03-1721

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Brenda Herschbach Jarrell, Ph.D.

Name of Person Signing

Reg. No. 39,223

Signature

Date

2/12/02

Total number of pages including cover sheet, attachments, and document: 3

03/13/2002 DBYRNE

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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

01 PC:581

2001180-0049 (HU1699-99)

ASSIGNMENT

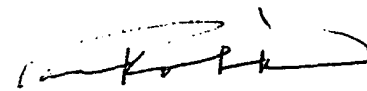
In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned **Tae Kook Kim** of Newton, MA; hereby

Sells, assigns and transfers to the **President and Fellows of Harvard College**, having a place of business at **17 Quincy Street, Cambridge, MA 02138**, its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE, his entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent entitled "**DOUBLE AND TRIPLE READOUT ASSAY SYSTEMS**" filed **October 25, 2001**, and given serial number **09/999,504** in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions, and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority.

Agrees that said ASSIGNEE may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said ASSIGNEE, agrees to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said ASSIGNEE all facts known to him relating to said inventions and the history thereof, and generally by doing everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said ASSIGNEE.

Hereby requests the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

Covenants with said ASSIGNEE that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by him, and that full right to convey the same as herein expressed is possessed by him.



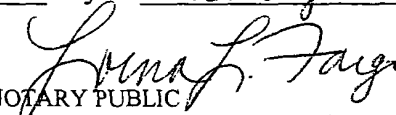
Tae Kook Kim

STATE OF Massachusetts SS.

COUNTY OF Suffolk

Before me this 5th day of February, 2002, personally appeared **Tae Kook Kim** known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

IN WITNESS WHEREOF, I hereto set my hand and seal at Boston,
Massachusetts this 5th day of February, 2002.


NOTARY PUBLIC
Lorna L. Fargo

My Commission Expires: 12-01-06

[Notary's Seal Here]

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